

GenCore version 5.1.6  
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IM protein - protein search, using sw model

run on: February 24, 2005, 07:27:43 ; Search time 20:1818 Seconds  
(without alignments)  
22.193 Million cell updates/sec

title: US-09-856-050-19\_COPY\_24\_29

perfect score: 31

Sequence: 1 LVHGKL 6

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

searched: 513555 seqs, 74649064 residues

minimum DB seq length: 0

FILE REFERENCE: BBL115 US CIP : CURRENT APPLICATION NUMBER: US/09/713,273A

5: /cgn2\_6/ptcdata/1/iae/ptctus.comb.peb;\*  
6: /cgn2\_6/ptcdata/1/iae/backfile1.peb;\*

PRIOR FILING DATE: 2001-10-05  
NUMBER OF SEQ ID NOS: 21  
and is derived by analysis of the total score distribution.

No.	Score	Match ID	Description
1	2	1	
2	2	2	
3	2	3	
4	2	4	
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	NAME	KEY	LOCATION
2	Sequence	4.861	AP
3	Sequence	4.861	AP

FEATURE: *inv�* ;  
PREFERENCE: *xaa* = any amino acid

15 28 90.3 600 4 US-09-533-681A-6004 Sequence 6004, AP  
 16 28 90.3 727 4 US-09-500-236-2963 Sequence 62963, AP  
 ; OTHER INFORMATION: Xaa = any amino acid  
 ; LOCATION: (1,49) ;

OTHER INFORMATION: Xaa = any amino acid  
US-09-713-A6

			DB 4;	Length 159;
Score 31;	DB 4;	Score 100.0%;	Score 100.0%;	
Query	Match	Best	Local	Similarity
Sequence	Sequence	Sequence	Sequence	Sequence
Best	Local	Best	Local	Similarity
No.	No.	No.	No.	No.
23	27	87.1	154	A
24	27	87.1	154	A

Db 138 ||||| LvhgkL 143  
 RESULT 2  
 US-09-328-352-4861  
 ; Sequence 4861, Application US/09328352  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Gary L. Breton et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
 ; FILE REFERENCE: GTC99-03PA  
 ; CURRENT FILING DATE: 1999-06-04  
 ; NUMBER OF SEQ ID NOS: 8252  
 ; SEQ ID NO: 4861  
 ; LENGTH: 391  
 ; TYPE: PRT  
 ; ORGANISM: Acinetobacter baumannii  
 US-09-328-352-4861

Query Match 100.0%; Score 31; DB 4; Length 391;  
 Best Local Similarity 100.0%; Pred. No. 67;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 LvhgkL 6  
 Db 67 LvhgkL 72

RESULT 3  
 US-09-541-759-4  
 ; Sequence 4, Application US/09541759  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lustigman, Sara  
 ; APPLICANT: Peazlman, Eric  
 ; APPLICANT: Umnasch, Thomas  
 ; TITLE OF INVENTION: ANGIOGENIC ONCHOCERCA VOLVULUS PROTEINS AND USES THEREOF  
 ; FILE REFERENCE: 63475/252  
 ; CURRENT APPLICATION NUMBER: US/09/541,759  
 ; CURRENT FILING DATE: 2000-04-03  
 ; NUMBER OF SEQ ID NOS: 21  
 ; SEQ ID NO 4  
 ; LENGTH: 220  
 ; TYPE: PRT  
 ; ORGANISM: Brugia malayi  
 US-09-541-759-4

Query Match 96.8%; Score 30; DB 4; Length 220;  
 Best Local Similarity 83.3%; Pred. No. 62;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 LvhgkL 6  
 Db 43 LvhgkL 48

RESULT 4  
 US-09-248-796A-19578  
 ; Sequence 19578, Application US/09248796A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Keith Weinstock et al  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
 ; FILE REFERENCE: 107196-132  
 ; CURRENT APPLICATION NUMBER: US/09/248,796A  
 ; CURRENT FILING DATE: 1999-02-12  
 ; PRIOR APPLICATION NUMBER: US 60/074,725  
 ; PRIOR FILING DATE: 1998-02-13  
 ; PRIOR APPLICATION NUMBER: US 60/096,409  
 ; PRIOR FILING DATE: 1998-08-13  
 ; NUMBER OF SEQ ID NOS: 28208  
 ; SEQ ID NO 18529  
 ; LENGTH: 348  
 ; TYPE: PRT  
 ; ORGANISM: Candida albicans

||| Prior Application Number: US 60/096,409  
 ; Prior Filing Date: 1998-08-13  
 ; Number of Seq ID NOS: 28208  
 ; Seq ID No 19578  
 ; Length: 599  
 ; Type: PRT  
 ; Organism: Candida albicans  
 ; Feature:  
 ; Name/Key: UNSURE  
 ; Location: (45),(584)  
 ; Other Information: Identity of amino acid sequences at the above locations are unknown  
 US-09-248-796A-19578  
 Query Match 96.8%; Score 30; DB 4; Length 599;  
 Best Local Similarity 83.3%; Pred. No. 1,7e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 LvhgkL 6  
 Db 586 LvhgkL 591

RESULT 5  
 US-09-248-796A-15885  
 ; Sequence 15885, Application US/09248796A  
 ; Patent No. 6747137  
 ; General Information:  
 ; Applicant: Keith Weinstock et al  
 ; Title of Invention: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
 ; File Reference: 107196-132  
 ; Current Application Number: US/09/248,796A  
 ; Current Filing Date: 1999-02-12  
 ; Prior Application Number: US 60/074,725  
 ; Prior Filing Date: 1998-02-13  
 ; Prior Application Number: US 60/096,409  
 ; Prior Filing Date: 1998-08-13  
 ; Number of Seq ID NOS: 28208  
 ; Seq ID No 15885  
 ; Length: 115  
 ; Type: PRT  
 ; Organism: Candida albicans  
 US-09-248-796A-15885  
 Query Match 93.5%; Score 29; DB 4; Length 115;  
 Best Local Similarity 83.3%; Pred. No. 53;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 LvhgkL 6  
 Db 45 LvhgkL 50

RESULT 6  
 US-09-248-796A-18529  
 ; Sequence 18529, Application US/09248796A  
 ; Patent No. 6747137  
 ; General Information:  
 ; Applicant: Keith Weinstock et al  
 ; Title of Invention: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN  
 ; File Reference: 107196-132  
 ; Current Application Number: US/09/248,796A  
 ; Current Filing Date: 1999-02-12  
 ; Prior Application Number: US 60/074,725  
 ; Prior Filing Date: 1998-02-13  
 ; Prior Application Number: US 60/096,409  
 ; Prior Filing Date: 1998-08-13  
 ; Number of Seq ID NOS: 28208  
 ; Seq ID No 18529  
 ; Length: 348  
 ; Type: PRT  
 ; Organism: Candida albicans

US-09-248-796A-18529

Query Match 93.5%; Score 29; DB 4; Length 348;  
Best Local Similarity 83.3%; Pred. No. 1.6e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 100 LVHGKL 105

RESULT 7

US-09-328-352-6053

Sequence 6053 Application US/09328352  
Patent No. 6562958

GENERAL INFORMATION: Gary L. Breton et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
FILE REFERENCE: GTC99-03PA  
CURRENT APPLICATION NUMBER: US/09/328,352  
CURRENT FILING DATE: 1999-06-04  
NUMBER OF SEQ ID NOS: 8252  
SEQ ID NO 6053  
LENGTH: 684  
TYPE: PRT  
ORGANISM: Acinetobacter baumannii

US-09-328-352-6053

Query Match 93.5%; Score 29; DB 4; Length 684;  
Best Local Similarity 83.3%; Pred. No. 3.2e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 513 LVHGKM 518

RESULT 8

US-09-328-352-4877

Sequence 4877 Application US/09328352  
Patent No. 6562958

GENERAL INFORMATION: Gary L. Breton et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
FILE REFERENCE: GTC99-03PA  
CURRENT APPLICATION NUMBER: US/09/328,352  
CURRENT FILING DATE: 1999-06-04  
NUMBER OF SEQ ID NOS: 8252  
SEQ ID NO 4877  
TYPE: PRT  
ORGANISM: Acinetobacter baumannii

US-09-328-352-4877

Query Match 93.5%; Score 29; DB 4; Length 1005;  
Best Local Similarity 83.3%; Pred. No. 4.7e+02;  
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
Db 568 MVHGKL 573

RESULT 9

US-09-902-540-15646

Sequence 15646 Application US/09902540  
Patent No. 6833447

GENERAL INFORMATION: Goldman, Barry S.  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.

NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/265,294  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/100,851  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0293 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 311 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRAINOT09  
 CLONE: 2150905

US-09-265-294-1

Query Match 90.3%; Score 28; DB 1; Length 311;  
 Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 278 LVHGRL 283

RESULT 11  
 US-09-100-851-1  
 Sequence 1, Application US/09100851  
 Patent No. 5911984  
 GENERAL INFORMATION:  
 APPLICANT: Hillman, Jennifer L.  
 ADDRESS: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/100,851  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/872,784  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0293 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 311 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRAINOT09  
 CLONE: 2150905

US-09-100-851-1

Query Match 90.3%; Score 28; DB 2; Length 311;  
 Best Local Similarity 83.3%; Pred. No. 2.4e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 278 LVHGRL 283

RESULT 12  
 US-09-285-294-1  
 Sequence 1, Application US/09265294  
 Patent No. 6210890  
 GENERAL INFORMATION:  
 APPLICANT: Hillman, Jennifer L.  
 ADDRESS: Incyte Pharmaceuticals, Inc.  
 STREET: 3174 Porter Drive  
 CITY: Palo Alto  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/265,294  
 FILING DATE:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 09/100,851  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PP-0293 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-855-0555  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 311 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BRAINOT09  
 CLONE: 2150905

US-09-285-294-1

Query Match 90.3%; Score 28; DB 1; Length 311;  
 Best Local Similarity 66.7%; Pred. No. 4.2e+01;  
 Matches 4; Conservative 2; Mismatches 2;

Qy 1 LVHGKL 6  
 Db 278 LVHGRL 283

RESULT 14  
 US-09-438-185A-1063  
 Sequence 1063, Application US/09438185A

GENERAL INFORMATION:

Patent No. 6822071

APPLICANT: Stephens, Richard

APPLICANT: Mitchell, Wayne

APPLICANT: Kalman, Sue

APPLICANT: Davis, Ronald

APPLICANT: The Regents of the University of California

TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence

FILE REFERENCE: 018541-000411US

CURRENT APPLICATION NUMBER: US/09/438,185A

CURRENT FILING DATE: 2002-03-13

PRIOR APPLICATION NUMBER: US 60/108,279

PRIOR FILING DATE: 1998-11-12

PRIOR APPLICATION NUMBER: US 60/128,606

PRIOR FILING DATE: 1999-04-08

NUMBER OF SEQ ID NOS: 1074

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 1063

LENGTH: 559

TYPE: PRT

ORGANISM: Chlamydia pneumoniae

FEATURE:

OTHER INFORMATION: CPn1062

US-09-438-185A-1063

Query Match 90.3%; Score 28; DB 4; Length 559;  
 Best Local Similarity 66.7%; Pred. No. 4.3e+02;  
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHgKL 6

Db 82 IIHgKL 87

RESULT 15

US-09-543-681A-6004

Sequence 6004, Application US/09543681A

Patent No. 605709

GENERAL INFORMATION:

APPLICANT: GARY BRETON

TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS

FILE REFERENCE: 2709 1002-001

CURRENT APPLICATION NUMBER: US/09/543,681A

CURRENT FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 60/128,706

PRIOR FILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 8344

SEQ ID NO 6004

LENGTH: 600

TYPE: PRT

ORGANISM: Proteus mirabilis

US-09-543-681A-6004.

Query Match 90.3%; Score 28; DB 4; Length 600;  
 Best Local Similarity 66.7%; Pred. No 4.6e+02;  
 Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHgKL 6

Db 365 IIHgKL 370

Search completed: February 24, 2005, 07:34:52

Job time : 20.1818 secs

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2	31	100.0	159	15	US-10-607-095-6	Sequence 6, Appl
3	31	100.0	235	16	US-10-437-963-1423716	Sequence 142376,
4	31	100.0	341	15	US-10-288-122A-49640	Sequence 49640, A
5	31	100.0	374	15	US-10-368-493-8425	Sequence 8425, Ap
6	31	100.0	374	15	US-10-368-493-15399	Sequence 15399, A
7	31	100.0	374	15	US-10-368-493-15767	Sequence 15767, A
8	31	100.0	374	15	US-10-368-493-16151	Sequence 16151, A
9	31	100.0	385	15	US-10-288-122A-45233	Sequence 45233, A
10	31	100.0	400	15	US-10-288-122A-51133	Sequence 51133, A
11	31	100.0	1392	16	US-10-437-963-104974	Sequence 104974,
12	30	96.8	363	15	US-10-288-122A-73193	Sequence 73193, A
13	30	96.8	389	9	US-09-815-242-10058	Sequence 10058, A

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OM protein - protein search, using sw model.

Run on: February 24, 2005, 07:32:00 ; Search time 96 Seconds (without alignments)

20.453 Million cell updates/sec

Title: US-09-856-050-19\_COPY\_24\_29

Perfect score: 31

Sequence: 1 LVHGGKL 6

Scoring table: BLOSUM22

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Searched: 1380268 seqs, 32241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Post-processing: Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA: \*

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3: /cgn2\_6\_ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*

4: /cgn2\_6\_ptodata/2/pubpaa/US06\_PUBCOMB.pep:\*

5: /cgn2\_6\_ptodata/2/pubpaa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6\_ptodata/2/pubpaa/PC75\_PUBCOMB.pep:\*

7: /cgn2\_6\_ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*

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19: /cgn2\_6\_ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*

20: /cgn2\_6\_ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

RESULT 1 US-09-764-891-3073 ; Sequence 3073, Application US-09764891 ; Publication No. US20030077808A1 ; GENERAL INFORMATION ; APPLICANT: Rosen, et al. ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies ; FILE REFERENCE: PC006 ; CURRENT APPLICATION NUMBER: US/09/764,891 ; CURRENT FILING DATE: 2001-01-17 ; Prior application data removed - consult PALM or file wrapper ; NUMBER OF SEQ ID NOS: 10231 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 3073 ; LENGTH: 60 ; TYPE: PRT ; ORGANISM: Homo sapiens ; FEATURE: NAME/KEY: SITE ; LOCATION: (4) ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids ; NAME/KEY: SITE ; LOCATION: (6) ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids ; NAME/KEY: SITE ; LOCATION: (34) ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids ; NAME/KEY: SITE ; LOCATION: (50) ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids ; NAME/KEY: SITE ; LOCATION: (57) ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids

Query Match 100.0%; Score 31; DB 10; Length 60;

## ALIGNMENTS

RESULT 1 US-09-764-891-3073 ; Sequence 3073, Application US-09764891 ; Publication No. US20030077808A1 ; GENERAL INFORMATION ; APPLICANT: Rosen, et al. ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies ; FILE REFERENCE: PC006 ; CURRENT APPLICATION NUMBER: US/09/764,891 ; CURRENT FILING DATE: 2001-01-17 ; Prior application data removed - consult PALM or file wrapper ; NUMBER OF SEQ ID NOS: 10231 ; SOFTWARE: PatentIn Ver. 2.0 ; SEQ ID NO 3073

Best Local Similarity 100.0%; Pred. No. 51;  
Matches 6; Conservative 0; Mismatches 0;  
Indels 0; Gaps 0;

Qy 1 LVHGKGL 6  
Db 44 LVHGKGL 9

RESULT 2  
US-10-607-095-6  
; Sequence 6, Application US/10607095  
; Publication No. US20040018541A1  
; GENERAL INFORMATION:  
; APPLICANT: Alien, Steve  
; APPLICANT: Butler, Karla  
; TITLE OF INVENTION: STARCH R1 PHOSPHORYLATION PROTEINS  
FILE REFERENCE: BB1158 US CIP 095  
CURRENT APPLICATION NUMBER: US/10/607,095  
PRIORITY FILING DATE: 2003-06-26  
PRIOR APPLICATION NUMBER: US/09/713,273A  
PRIOR FILING DATE: 2000-11-15  
PRIOR APPLICATION NUMBER: 60/081,143  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: PCT/US99/07639  
PRIOR FILING DATE: 1999-04-08  
PRIOR APPLICATION NUMBER: 09/679,933  
PRIOR FILING DATE: 2000-10-05  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 6  
LENGTH: 159  
TYPE: PRT  
ORGANISM: Brachythecium oxycladon

FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (110)  
OTHER INFORMATION: Xaa = any amino acid

FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (134)  
OTHER INFORMATION: Xaa = any amino acid

FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (137)  
OTHER INFORMATION: Xaa = any amino acid

FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (149)...(150)  
OTHER INFORMATION: Xaa = any amino acid

FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (153)  
OTHER INFORMATION: Xaa = any amino acid

US-10-607-095-6

Query Match 100.0%; Score 31; DB 15; Length 159;  
Best Local Similarity 100.0%; Pred. No. 1.3e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKGL 6  
Db 138 LVHGKGL 143

RESULT 3  
US-10-437-963-142376  
; Sequence 142376, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei  
APPLICANT: Boukharov, Andrey A.  
APPLICANT: Barzak, Brett  
APPLICANT: Li, Ping  
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With FILE REFERENCE: 38-1(53421)B  
CURRENT APPLICATION NUMBER: US/10/437,963  
CURRENT FILING DATE: 2003-05-14  
NUMBER OF SEQ ID NOS: 204966  
SEQ ID NO 142376  
LENGTH: 235  
TYPE: PRT  
ORGANISM: Oryza sativa  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT4530\_43389C.1.pep  
US-10-437-963-142376

Query Match 100.0%; Score 31; DB 16; Length 235;  
Best Local Similarity 100.0%; Pred. No. 1.9e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKGL 6  
Db 94 LVHGKGL 99

RESULT 4  
US-10-292-122A-49640  
; Sequence 49640, Application US/10282122A  
; Publication No. US2004029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zaudio, Carlos  
; APPLICANT: Malone, Cherry  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA 034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49640  
; LENGTH: 341

Qy 1 LVHGKL 6  
 Db 51 LVHGKL 56

RESULT 5  
 US-10-369-493-8425  
 Sequence 8425, Application US/10369493  
 Publication No. US20030233675A1  
 GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Chen, Xianfeng  
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES  
 ; FILE REFERENCE: 38-10(52052)B  
 ; CURRENT APPLICATION NUMBER: US/10/369,493  
 ; CURRENT FILING DATE: 2003-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/360,039  
 ; PRIOR FILING DATE: 2002-02-21  
 ; NUMBER OF SEQ ID NOS: 47374  
 ; LENGTH: 374  
 ; TYPE: PRT  
 ; ORGANISM: Ralstonia metallidurans  
 US-10-369-493-8425

Query Match 100.0%; Score 31; DB 15; Length 374;  
 Best Local Similarity 100.0%; Pred. No. 2.9e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 51 LVHGKL 56

RESULT 6  
 US-10-369-493-15399  
 Sequence 15399, Application US/10369493  
 Publication No. US20030233675A1  
 GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Chen, Xianfeng  
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES  
 ; FILE REFERENCE: 38-10(52052)B  
 ; CURRENT APPLICATION NUMBER: US/10/369,493  
 ; CURRENT FILING DATE: 2003-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/360,039  
 ; LENGTH: 374  
 ; TYPE: PRT  
 ; ORGANISM: Xanthomonas campestris  
 US-10-369-493-15399

Query Match 100.0%; Score 31; DB 15; Length 374;  
 Best Local Similarity 100.0%; Pred. No. 2.9e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 51 LVHGKL 56

RESULT 7  
 US-10-369-493-15767  
 Sequence 15767, Application US/10369493  
 Publication No. US20030233675A1  
 GENERAL INFORMATION:  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Chen, Xianfeng  
 ; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF PLANTS WITH IMPROVED PROPERTIES  
 ; FILE REFERENCE: 38-10(52052)B  
 ; CURRENT APPLICATION NUMBER: US/10/369,493  
 ; CURRENT FILING DATE: 2003-02-28  
 ; PRIOR APPLICATION NUMBER: US 60/360,039  
 ; NUMBER OF SEQ ID NOS: 47374  
 ; SEQ ID NO: 16151  
 ; LENGTH: 374  
 ; TYPE: PRT  
 ; ORGANISM: Xanthomonas campestris  
 US-10-369-493-15767

Query Match 100.0%; Score 31; DB 15; Length 374;  
 Best Local Similarity 100.0%; Pred. No. 2.9e+02; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 51 LVHGKL 56

RESULT 9  
 US-10-369-493-15399

US-10-282-122A-45263  
 / Sequence 45263, Application US/10282122A  
 / Publication No. US2004029129A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Wang, Liangsu  
 / APPLICANT: Zamudio, Carlos  
 / APPLICANT: Malone, Cheryl  
 / APPLICANT: Haselbeck, Robert  
 / APPLICANT: Ohlsen, Kari  
 / APPLICANT: Zyskind, Judith  
 / APPLICANT: Wall, Daniel  
 / APPLICANT: Travick, John  
 / APPLICANT: Carr, Grant  
 / APPLICANT: Yamamoto, Robert  
 / APPLICANT: Forsyth, R.  
 / APPLICANT: Xu, H.  
 / TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
 / FILE REFERENCE: ELITRA.034A  
 / CURRENT APPLICATION NUMBER: US/10/282,122A  
 / CURRENT FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: 60/191,078  
 / PRIOR FILING DATE: 2000-03-21  
 / PRIOR APPLICATION NUMBER: 60/206,848  
 / PRIOR FILING DATE: 2000-05-23  
 / PRIOR APPLICATION NUMBER: 60/207,727  
 / PRIOR FILING DATE: 2000-05-26  
 / PRIOR APPLICATION NUMBER: 60/230,335  
 / PRIOR FILING DATE: 2000-09-06  
 / PRIOR APPLICATION NUMBER: 60/230,347  
 / PRIOR FILING DATE: 2000-09-09  
 / PRIOR APPLICATION NUMBER: 60/242,578  
 / PRIOR FILING DATE: 2000-10-23  
 / PRIOR APPLICATION NUMBER: 60/253,625  
 / PRIOR FILING DATE: 2000-11-27  
 / PRIOR APPLICATION NUMBER: 60/257,931  
 / PRIOR FILING DATE: 2000-12-22  
 / PRIOR APPLICATION NUMBER: 60/267,536  
 / PRIOR FILING DATE: 2001-02-09  
 / PRIOR APPLICATION NUMBER: 60/269,308  
 / PRIOR FILING DATE: 2001-02-16  
 / Remaining Prior Application data removed - See File Wrapper or PALM.  
 / NUMBER OF SEQ ID NOS: 7614  
 / SOFTWARE: PatentIn version 3.1  
 / SEQ ID NO 51133  
 / LENGTH: 400  
 / TYPE: PRT  
 / ORGANISM: Bordetella pertussis  
 / US-10-282-122A-51133

RESULT 10  
 US-10-282-122A-51133  
 / Sequence 51133, Application US/10282122A  
 / Publication No. US2004029129A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Wang, Liangsu  
 / APPLICANT: Zamudio, Carlos  
 / APPLICANT: Malone, Cheryl  
 / APPLICANT: Haselbeck, Robert  
 / APPLICANT: Ohlsen, Kari  
 / APPLICANT: Zyskind, Judith  
 / APPLICANT: Wall, Daniel  
 / APPLICANT: Travick, John  
 / APPLICANT: Carr, Grant  
 / APPLICANT: Yamamoto, Robert

APPLICANT: Forsyth, R.  
 / APPLICANT: Xu, H.  
 / TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
 / FILE REFERENCE: ELITRA.034A  
 / CURRENT APPLICATION NUMBER: US/10/282,122A  
 / CURRENT FILING DATE: 2003-02-20  
 / PRIOR APPLICATION NUMBER: 60/191,078  
 / PRIOR FILING DATE: 2000-03-21  
 / PRIOR APPLICATION NUMBER: 60/206,848  
 / PRIOR FILING DATE: 2000-05-23  
 / PRIOR APPLICATION NUMBER: 60/207,727  
 / PRIOR APPLICATION NUMBER: 60/230,335  
 / PRIOR FILING DATE: 2000-09-06  
 / PRIOR APPLICATION NUMBER: 60/230,347  
 / PRIOR FILING DATE: 2000-09-09  
 / PRIOR APPLICATION NUMBER: 60/242,578  
 / PRIOR FILING DATE: 2000-10-23  
 / PRIOR APPLICATION NUMBER: 60/253,625  
 / PRIOR FILING DATE: 2000-11-27  
 / PRIOR APPLICATION NUMBER: 60/257,931  
 / PRIOR FILING DATE: 2000-12-22  
 / PRIOR APPLICATION NUMBER: 60/267,536  
 / PRIOR FILING DATE: 2001-02-09  
 / PRIOR APPLICATION NUMBER: 60/269,308  
 / PRIOR FILING DATE: 2001-02-16  
 / Remaining Prior Application data removed - See File Wrapper or PALM.  
 / NUMBER OF SEQ ID NOS: 7614  
 / SOFTWARE: PatentIn version 3.1  
 / SEQ ID NO 51133  
 / LENGTH: 400  
 / TYPE: PRT  
 / ORGANISM: Bordetella pertussis  
 / US-10-282-122A-51133

Query Match 100.0%; Score 31; DB 15; Length 400;  
 Best Local Similarity 100.0%; Pred. No. 3.1e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LVHGKL 6  
 Db 76 LVHGKL 81

RESULT 11  
 US-10-437-963-104974  
 / Sequence 104974, Application US/10437963  
 / Publication No. US2004013343A1  
 / GENERAL INFORMATION:  
 / APPLICANT: La Rosa, Thomas J.  
 / APPLICANT: Kovacic, David K.  
 / APPLICANT: Zhou, Yihua  
 / APPLICANT: Cao, Yongwei  
 / APPLICANT: Wu, Wei  
 / APPLICANT: Boukharov, Andrey A.  
 / APPLICANT: Barbazuk, Brad  
 / APPLICANT: Li, Ping  
 / TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 / FILE REFERENCE: 38-21/5321.B  
 / CURRENT APPLICATION NUMBER: US/10/437,963  
 / CURRENT FILING DATE: 2003-05-14  
 / NUMBER OF SEQ ID NOS: 204966  
 / SEQ ID NO 104974  
 / LENGTH: 1392  
 / TYPE: PRT  
 / ORGANISM: Oryza sativa  
 / FEATURE:  
 / OTHER INFORMATION: Clone ID: PAT\_MRT4530\_102259C.1.pep  
 / US-10-437-963-104974

Query Match 100.0%; Score 31; DB 16; Length 1392;  
 Best Local Similarity 100.0%; Pred. No. 1e+03;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0; / APPLICANT: Zybskind, Judith W.  
 Qy 1 LVHGKL 6 / APPLICANT: Wall, Daniel  
 Db 1238 LVHGKL 1243 / APPLICANT: Trawick, John D.  
 / APPLICANT: Carr, Grant J.  
 / APPLICANT: Yamamoto, Robert T.  
 / APPLICANT: Xu, H. Howard  
 / TITLE OF INVENTION: Identification of Essential Genes in Prokaryotes  
 / FILE REFERENCE: ELITRA.01A  
 / CURRENT APPLICATION NUMBER: US/09/815,242  
 / CURRENT FILING DATE: 2001-03-21  
 / PRIORITY NUMBER: 60/191,078  
 / PRIOR APPLICATION NUMBER: 60/191,078  
 / PRIOR FILING DATE: 2000-03-21  
 / PRIORITY NUMBER: 60/206,848  
 / PRIOR APPLICATION NUMBER: 60/206,848  
 / PRIOR FILING DATE: 2000-05-23  
 / PRIORITY NUMBER: 60/207,727  
 / PRIOR APPLICATION NUMBER: 60/242,578  
 / PRIOR FILING DATE: 2000-05-26  
 / PRIORITY NUMBER: 60/253,625  
 / PRIOR APPLICATION NUMBER: 60/253,625  
 / PRIOR FILING DATE: 2000-11-27  
 / PRIORITY NUMBER: 60/257,931  
 / PRIOR APPLICATION NUMBER: 60/257,931  
 / PRIOR FILING DATE: 2000-12-22  
 / PRIORITY NUMBER: 60/269,308  
 / PRIOR APPLICATION NUMBER: 60/269,308  
 / NUMBER OF SEQ ID NOS: 14110  
 / SOFTWARE: FastSEQ for Windows Version 4.0  
 / SEQ ID NO: 10058  
 / LENGTH: 389  
 / TYPE: PRT  
 / ORGANISM: Escherichia coli  
 US-09-815-242-10058

Query Match 96.8%; Score 30; DB 9; Length 389;  
 Best Local Similarity 83.3%; Pred. No. 4.9e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 65 LIHGKL 70

RESULT 14  
 US-09-815-242-13894  
 / Sequence 13894, Application US/09815242  
 / Patent No. US2000061569A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Haselbeck, Robert  
 / APPLICANT: Ohlseen, Kari L.  
 / APPLICANT: Zybskind, Judith W.  
 / APPLICANT: Wall, Daniel  
 / APPLICANT: Trawick, John D.  
 / APPLICANT: Carr, Grant J.  
 / APPLICANT: Yamamoto, Robert T.  
 / APPLICANT: Xu, H. Howard  
 / TITLE OF INVENTION: Identification of Essential Genes in Prokaryotes  
 / FILE REFERENCE: ELITRA.01A  
 / CURRENT APPLICATION NUMBER: US/09/815,242  
 / CURRENT FILING DATE: 2001-03-21  
 / PRIORITY NUMBER: 60/191,078  
 / PRIOR APPLICATION NUMBER: 60/206,848  
 / PRIOR FILING DATE: 2000-03-21  
 / PRIORITY NUMBER: 60/242,578  
 / PRIOR APPLICATION NUMBER: 60/242,578  
 / PRIOR FILING DATE: 2000-05-26  
 / PRIORITY NUMBER: 60/253,625  
 / PRIOR APPLICATION NUMBER: 60/253,625  
 / PRIOR FILING DATE: 2000-11-27  
 / PRIORITY NUMBER: 60/257,931  
 / PRIOR APPLICATION NUMBER: 60/257,931  
 / PRIOR FILING DATE: 2000-12-22  
 / PRIORITY NUMBER: 60/269,308  
 / PRIOR APPLICATION NUMBER: 60/269,308

Query Match 96.8%; Score 30; DB 15; Length 363;  
 Best Local Similarity 83.3%; Pred. No. 4.6e+02;  
 Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6  
 Db 41 LIHGKL 46

RESULT 13  
 US-09-815-242-10058  
 / Sequence 10058, Application US/09815242  
 / Patent No. US2000061569A1  
 / GENERAL INFORMATION:  
 / APPLICANT: Haselbeck, Robert  
 / APPLICANT: Ohlseen, Kari L.

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; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 13894
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Salmonella typhi
; US-09-815-242-13894

Query Match 96.8%; Score 30; DB 9; Length 389;
Best Local Similarity 83.3%; Pred. No. 4.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6
      |:||| |
Db 65 LIHGKL 70

RESULT 15
US-10-369-493-722
; Sequence 722, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkie, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
; CURRENT APPLICATION NUMBER: US/10/369,493
; FILE REFERENCE: 38-10 (52052) B
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO: 722
; LENGTH: 389
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-369-493-722

Query Match 96.8%; Score 30; DB 15; Length 389;
Best Local Similarity 83.3%; Pred. No. 4.9e+02;
Matches 5; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LVHGKL 6
      |:||| |
Db 65 LIHGKL 70

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Search completed: February 24, 2005, 07:50:08  
 Job time : 97.5 secs



HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE: Cleavage-site  
 NAME/KEY: Cleavage-site  
 LOCATION: 1..5  
 OTHER INFORMATION: /note= "Enterokinase Cleavage Site"  
 US-07-816-679A-7

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Mismatches 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

---

RESULT 2  
 US-08-197-496A-21  
 Sequence 21, Application US/08197496A  
 Patient No. 5480797

GENERAL INFORMATION:  
 APPLICANT: FRANCAVILLA, ANTONIO T.  
 APPLICANT: HAGIYA, MICHIO  
 APPLICANT: STARZL, THOMAS E.  
 TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR)  
 NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: CUSHMAN, DARBY & CUSHMAN  
 STREET: 1100 NEW YORK AVENUE, N.W.  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20005-3918

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/197,496A  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SCOTT, WATSON T.  
 REGISTRATION NUMBER: 26,581  
 REFERENCE/DOCKET NUMBER: 61337/203420  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-861-3600  
 TELEX: 202-822-0944  
 TELEX: 6714627 CUSH

INFORMATION FOR SEQ ID NO: 21:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide

US-08-197-496A-21

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Mismatches 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

---

RESULT 3  
 US-08-131-365B-49  
 Sequence 49, Application US/08131365B  
 Patient No. 5527690

GENERAL INFORMATION:  
 APPLICANT: Brown, Michael S.  
 APPLICANT: Brigg, Michael R.  
 APPLICANT: Wang, Xiaodong  
 APPLICANT: Goldstein, Joseph L.  
 TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO STEROL REGULATORY ELEMENT BINDING  
 TITLE OF INVENTION: PROTEINS  
 NUMBER OF SEQUENCES: 64

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas  
 COUNTRY: U.S.A.  
 ZIP: 77210

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/131,365B  
 FILING DATE: 01-OCT-1993  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165  
 REFERENCE/DOCKET NUMBER: UTSD:372/PAR  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (512) 418-3000  
 TELEFAX: (512) 474-7577  
 INFORMATION FOR SEQ ID NO: 49:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-131-365B-49

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

---

RESULT 4  
 US-08-275-370-26  
 Sequence 26, Application US/08275370  
 Patient No. 5550037

GENERAL INFORMATION:  
 APPLICANT: FRANCAVILLA, ANTONIO T.  
 APPLICANT: STARZL, THOMAS E.  
 APPLICANT: HAGIYA, MICHIO  
 TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR) : HUMAN  
 NUMBER OF SEQUENCES: 26  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: CUSHMAN, DARBY & CUSHMAN  
 STREET: 1100 NEW YORK AVENUE, N.W.  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20005-3918

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/275,370  
 FILING DATE:  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: SCOTT, WATSON T.  
 REGISTRATION NUMBER: 26,581  
 REFERENCE/DOCKET NUMBER: 1140/204509  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-861-3000  
 TELEX: 6714627 CUSH  
 INFORMATION FOR SEQ ID NO: 26:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 ; JS-08-275-370-26

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

RESULT 6  
 US-08-294-434-2  
 Sequence 2, Application US/08294434  
 ; Patent No. 5635371  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Stout, Jay  
 ; APPLICANT: Wagner, Fred W.  
 ; APPLICANT: Collidge, Thomas R.  
 ; APPLICANT: Holquist, Barton  
 ; TITLE OF INVENTION: CHEMICAL METHOD FOR SELECTIVE  
 ; MODIFICATION OF THE N- AND/OR C-TERMINAL AMINO ACID  
 ; TOPOLGY: linear  
 ; NUMBER OF SEQUENCES: 15  
 ; CURRENT APPLICATION DATA:  
 ; PRIORITY APPLICATION NUMBER: US/08/294,434  
 ; FILING DATE: 13-JUL-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Merchant, E. Gould  
 ; STREET: 3100 No. 5635371west Center  
 ; CITY: Minneapolis  
 ; STATE: MN  
 ; COUNTRY: USA  
 ; ZIP: 55402  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; PRIORITY APPLICATION NUMBER: US/08/294,434  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Nelson, Albin J.  
 ; REGISTRATION NUMBER: 28,650  
 ; REFERENCE/DOCKET NUMBER: 8648.29-US01  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 612-332-5300  
 ; TELEFAX: 612-332-9081  
 ; INFORMATION FOR SEQ ID NO: 2:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 5 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: Single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; JS-08-294-434-2

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

RESULT 7  
 US-08-457-166-2  
 Sequence 2, Application US/08457166  
 ; Patent No. 565456  
 ; GENERAL INFORMATION:  
 ; MOLECULE TYPE: peptide

APPLICANT: Stout, Jay  
 APPLICANT: Wagner, Fred W.  
 APPLICANT: Coglinde, Thomas R.  
 APPLICANT: Holmquist, Barton  
 TITLE OF INVENTION: CHEMICAL METHOD FOR SELECTIVE MODIFICATION OF THE N- AND/OR C-TERMINAL AMINO ACID  
 TITLE OF INVENTION: ALPHA-CARBON REACTIVE GROUP OF A RECOMBINANT POLYPEPTIDE OR A PORTION THEREOF  
 NUMBER OF SEQUENCES: 15  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Merchant & Gould  
 STREET: 3100 No. 5656456west Center  
 CITY: Minneapolis  
 STATE: MN  
 COUNTRY: USA  
 ZIP: 55402  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/457,166  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/091,751  
 FILING DATE:  
 APPLICATION NUMBER: US 07/912,798  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Nelson, Abbin J.  
 REGISTRATION NUMBER: 28,650  
 REFERENCE/DOCKET NUMBER: 8648.35-US-01  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 612-332-5300  
 TELEFAX: 612-332-9081  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-457-166-2

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0;  
 Gaps 0;

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RESULT 8  
 US-08-200-900A-34  
 Patent No. 5665556  
 GENERAL INFORMATION:  
 APPLICANT:  
 TITLE OF INVENTION: CLONING OF ENTEROKINASE AND METHOD OF USE  
 NUMBER OF SEQUENCES: 38  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genetics Institute, Inc. - Legal Affairs  
 STREET: 87 CambridgePark Drive  
 CITY: Cambridge  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02140  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/200,900A  
 FILING DATE: 23-FEB-1994  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meineert, Maureen C.  
 REGISTRATION NUMBER: 31,544  
 REFERENCE/DOCKET NUMBER: GI 5201-FWC  
 TELECOMMUNICATION:  
 TELEPHONE: (617) 876-1170 X8574  
 TELEFAX: (617) 876-5851  
 INFORMATION FOR SEQ ID NO: 34:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-200-900A-34

Query Match 100.0%; Score 29; DB 1; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0;  
 Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

---

RESULT 9  
 US-08-665-484-26  
 Sequence 26, Application US/08665484  
 Patent No. 5811397  
 Patent No. 5811397 5780430  
 GENERAL INFORMATION:  
 APPLICANT: FRANCAVILLA, ANTONIO T.  
 APPLICANT: HAGIYA, MICHIO  
 APPLICANT: STARZL, THOMAS E.  
 TITLE OF INVENTION: AN AUGMENTER OF LIVER REGENERATION (ALR):  
 TITLE OF INVENTION: HUMAN AND RAT  
 NUMBER OF SEQUENCES: 33  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: CUSHMAN, DARBY & CUSHMAN  
 STREET: 1100 NEW YORK AVENUE, N.W.  
 CITY: WASHINGTON  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20005-3918  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/665,484  
 FILING DATE: 12-JUN-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/367,968  
 FILING DATE: 03-JAN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: KOKKILIS, PAUL N.  
 REGISTRATION NUMBER: 16,773  
 REFERENCE/DOCKET NUMBER: 1140/215562  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-861-3000  
 TELEFAX: 202-822-0944  
 TELEX: 6714627 CUSH  
 INFORMATION FOR SEQ ID NO: 26:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids

TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 US-08-665-484-26  
 Query Match 100.0%; Score 29; DB 2; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 US-07-963-538B-11

RESULT 10  
 US-07-963-538B-11  
 Sequence 11, Application US/07963538B  
 Patent No. 5851983  
 GENERAL INFORMATION:  
 APPLICANT: SUGIYAMA, TAKASHI  
 APPLICANT: KAMIMURA, TAKASHI  
 APPLICANT: MASUDA, KENICHI  
 APPLICANT: OKADA, MASAHIRO  
 APPLICANT: OHTSUKA, EIICHI  
 APPLICANT: IMAIZUMI, ATSUSHI  
 APPLICANT: WATANABE, KUNIHIKO  
 APPLICANT: SUGA, TETSUYA  
 APPLICANT: MATSUMOTO, YOHICHI  
 APPLICANT: TAKEUCHI, AKIKO  
 TITLE OF INVENTION: ELASTASE INHIBITORY POLYPEPTIDE AND  
 PROCESS FOR PRODUCTION THEREOF BY RECOMBINANT GENE  
 NUMBER OF SEQUENCES: 36  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: COOLEY GODWARD LLP  
 STREET: FIVE PALO ALTO SQUARE, 4TH FLOOR  
 CITY: PALO ALTO  
 STATE: CA  
 ZIP: 94306  
 COUNTRY: USA  
 ZIP: 77210

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/963,538B  
 FILING DATE: 20-OCT-1992  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/843,359  
 FILING DATE: 25-FEB-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/408,483  
 FILING DATE: 22-AUG-1989  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 4-212399  
 FILING DATE: 17-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 4-212398  
 FILING DATE: 17-JUL-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 3-355553  
 FILING DATE: 24-DEC-1991  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: JP 62-330219  
 FILING DATE: 28-DEC-1987  
 ATTORNEY/AGENT INFORMATION:  
 NAME: NEEDLEY PH.D., RICHARD L.  
 REGISTRATION NUMBER: 30,092  
 REFERENCE/DOCKET NUMBER: TEJN-005/02US  
 TELECOMMUNICATION INFORMATION:

RESULT 11  
 US-08-668-123-49  
 Sequence 49, Application US/08668123  
 Patent No. 5891631  
 GENERAL INFORMATION:  
 APPLICANT: Brown, Michael S.  
 APPLICANT: Briggs, Michael R.  
 APPLICANT: Wang, Xiaodong  
 APPLICANT: Goldstein, Joseph L.  
 TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING  
 TO STEROL REGULATORY ELEMENT BINDING  
 NUMBER OF SEQUENCES: 64  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Arnold, White & Durkee  
 STREET: P.O. Box 4433  
 CITY: Houston  
 STATE: Texas  
 COUNTRY: U.S.A.  
 ZIP: 77210

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/668,123  
 FILING DATE: 14-JUN-1996  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/131,365  
 FILING DATE: 01-OCT-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Parker, David L.  
 REGISTRATION NUMBER: 32,165  
 REFERENCE/DOCKET NUMBER: UTSD:372/PAR  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (512) 418-3000  
 TELEFAX: (512) 474-7577  
 INFORMATION FOR SEQ ID NO: 49:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-668-123-49

Query Match 100.0%; Score 29; DB 2; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DDDDK 5  
 Db 1 DDDDK 5

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OPERATING SYSTEM: DOS
SOFTWARE: FASSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,366A
FILING DATE: January 30, 1998
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/037,090
FILING DATE: 05-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: Plumer, Elizabeth R.
REGISTRATION NUMBER: 36,637
REFERENCE/DOCKET NUMBER: B0801/7093
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
TELEX:
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 5 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Peptide
US-09-016-366A-29

Query Match 100.0% Score 29; DB 2; Length 5;
Best Local Similarity 100.0% Pred. No. 4.1e+0;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 14
US-08-95-868C-16
; Sequence 16, Application US/08595868C
; Patent No. 5962270
GENERAL INFORMATION:
; APPLICANT: Wagner, Fred
; APPLICANT: Stout, Jay
; APPLICANT: Henriksen, Dennis
; APPLICANT: Partridge, Bruce
; APPLICANT: Holmquist, Bart
; APPLICANT: Frank, Merchant & Gould
; TITLE OF INVENTION: RECOMBINANT PREPARATION OF CALCITONIN FRAGMENTS AND US
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merchant & Gould
; STREET: 310 No. 596227west Center, 90 S. 7th Street
; CITY: Minneapolis
; STATE: MN
; COUNTRY: U.S.A.
; ZIP: 55402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/595,868C
; FILING DATE: 06-FEB-1996
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Carter, Charles G.
; REGISTRATION NUMBER: 35,093
; REFERENCE/DOCKET NUMBER: 8648.59US01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 612/332-5300
;

RESULT 13
US-09-016-366A-29
; Sequence 29, Application US/09016366A
; Patent No. 595531
GENERAL INFORMATION:
; APPLICANT: Stevens, Richard L.
; APPLICANT: Huang, Chifu
; TITLE OF INVENTION: MAST CELL PROTEASE PEPTIDE
; TITLE OF INVENTION: MAST CELL PROTEASE PEPTIDE
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: MA
; COUNTRY: U.S.A.
; ZIP: 02210-2211
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
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TELEFAX: 612/332-9081  
 INFORMATION FOR SEQ ID NO: 16:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDBNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: internal  
 ORIGINAL SOURCE:  
 US-08-595-866C-16

Query Match Similarity 100.0%; Score 29; DB 2; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05; Mismatches 0; Indels 0; Gaps 0;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

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RESULT 15  
 US-08-481-435-41  
 Sequence 41, Application US/08481435  
 Patent No. 6027906

GENERAL INFORMATION  
 APPLICANT: Balgarnesh, Tanjore S  
 APPLICANT: Town, Christine  
 TITLE OF INVENTION: No. 6027906a1 Polypeptides  
 NUMBER OF SEQUENCES: 42

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: White & Case  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States  
 ZIP: 10036-2787

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/481,435  
 FILING DATE: 10-JUL-1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: IN 580/MAS/94  
 FILING DATE: 01-JUL-1994

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: SE 9404072-2  
 FILING DATE: 24-NOV-1994

ATTORNEY/AGENT INFORMATION:  
 NAME: Stern, Richard J  
 REFERENCE/DOCKET NUMBER: 35,372  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 354-8113  
 INFORMATION FOR SEQ ID NO: 41:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acids  
 STRANDBNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide

Query Match Similarity 100.0%; Score 29; DB 3; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+05;

US-08-481-435-41

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Run on: February 24, 2005, 07:32:00 ; Search time 80 Seconds (without alignments)

20.453 Million cell updates/sec

Title: US-09-856-050-19\_COPY\_36\_40

Pearfect score: 29

Sequence: 1 DDDDK 5

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1380268 seqs, 322741040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0

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Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cn2\_6/ptodata/2/pubbaa/US07\_PCT05\_PUB.pep:\*

3: /cn2\_6/ptodata/2/pubbaa/US06\_NEW\_PUB.pep:\*

4: /cn2\_6/ptodata/2/pubbaa/US07\_NEW\_PUB.pep:\*

5: /cn2\_6/ptodata/2/pubbaa/US08\_PUBCOMB.pep:\*

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13: /cn2\_6/ptodata/2/pubbaa/US10A\_PUBCOMB.pep:\*

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16: /cn2\_6/ptodata/2/pubbaa/US10D\_PUBCOMB.pep:\*

17: /cn2\_6/ptodata/2/pubbaa/US10\_PUB.pep:\*

18: /cn2\_6/ptodata/2/pubbaa/US11\_NEW\_PUB.pep:\*

19: /cn2\_6/ptodata/2/pubbaa/US60\_NEW\_PUB.pep:\*

20: /cn2\_6/ptodata/2/pubbaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	29	100.0	5	8 US-08-849-303-58	Sequence 58, Appl
2	29	100.0	5	9 US-09-750-913-16	Sequence 16, Appl
3	29	100.0	5	9 US-09-909-652-2	Sequence 2, Appl
4	29	100.0	5	9 US-09-970-308-3	Sequence 3, Appl
5	29	100.0	5	9 US-09-967-386-2	Sequence 2, Appl
6	29	100.0	5	9 US-09-858-332-1	Sequence 1, Appl
7	29	100.0	5	10 US-09-858-332-7	Sequence 7, Appl
8	29	100.0	5	10 US-09-994-487-4	Sequence 4, Appl
9	29	100.0	5	10 US-09-933-780C-14	Sequence 14, Appl
10	29	100.0	5	13 US-10-124-557-143	Sequence 143, Appl
11	29	100.0	5	14 US-10-137-351-14	Sequence 14, Appl
12	29	100.0	5	14 US-10-119-235-4	Sequence 4, Appl
13	29	100.0	5	14 US-10-158-742A-17	Sequence 17, Appl

## ALIGNMENTS

RESULT 1 US-08-849-303-58

Sequence 58, Application US/08849303

Publication No. US20030221209A1

GENERAL INFORMATION:

APPLICANT: Atkinson, Howard J.

APPLICANT: McPherson, Michael J.

APPLICANT: Urwin, Peter E.

TITLE OF INVENTION: MODIFIED PROTEINASE INHIBITORS

NUMBER OF SEQUENCES: 79

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauber & Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/849,303

FILING DATE: 21-MAY-1997

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 1321-1-003

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133-321

INFORMATION FOR SEQ ID NO: 58:

SEQUENCE CHARACTERISTICS:

LENGTH: 5 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: peptide  
 HYPOTHETICAL: NO  
 US-08-849-303-58

Query Match 100.0%; Score 29; DB 8; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 |||||  
 Db 1 DDDDK 5

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RESULT 2  
 US-09-750-913-16

Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 |||||  
 Db 1 DDDDK 5

RESULT 3  
 US-09-909-652-2

Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 |||||  
 Db 1 DDDDK 5

RESULT 4  
 US-09-909-652-2

Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 |||||  
 Db 1 DDDDK 5

RESULT 4  
 US-09-970-308-3

Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 |||||  
 Db 1 DDDDK 5

RESULT 5

US-09-967-386-2  
 ; Sequence 2, Application US/09967386  
 ; Patent No. US2002015992A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Abbott Laboratories  
 ; ATTORNEY: Henkin, Jack  
 ; TITLE OF INVENTION: ANTIANGIOGENIC POLYPEPTIDES AND METHODS FOR INHIBITING ANGIOGENESIS  
 ; FILE REFERENCE: 6738-US-02  
 ; CURRENT APPLICATION NUMBER: US/09/967,386  
 ; CURRENT FILING DATE: 2001-09-26  
 ; PRIOR APPLICATION NUMBER: US 60/236,550  
 ; PRIOR FILING DATE: 2000-09-29  
 ; NUMBER OF SEQ ID NOS: 7  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 2  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Enterokinase Cleavage Site  
 ; US-09-967-386-2  
 Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 DDDDK 5  
 Db 1 DDDDK 5  
 RESULT 6  
 US-09-858-332-1  
 ; Sequence 1, Application US/09858332  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tchaga, Grigory S.  
 ; ATTORNEY: Jorbadze, George  
 ; TITLE OF INVENTION: Metal Ion Affinity Tags and Methods for Using the Same  
 ; FILE REFERENCE: CLON056CIP  
 ; CURRENT APPLICATION NUMBER: US/09/858,332  
 ; CURRENT FILING DATE: 2002-07-02  
 ; PRIOR APPLICATION NUMBER: 09/104,017  
 ; PRIOR FILING DATE: 1999-09-23  
 ; NUMBER OF SEQ ID NOS: 21  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 1  
 ; LENGTH: 5  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: synthetic peptide  
 ; US-09-858-332-1  
 Query Match 100.0%; Score 29; DB 9; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 1 DDDDK 5  
 Db 1 DDDDK 5  
 RESULT 7  
 US-09-858-332-7  
 ; Sequence 7, Application US/09858332  
 ; Patent No. US20020164718A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YAO, Zhangbin  
 ; ATTORNEY: MORSE, Clarence C  
 ; TITLE OF INVENTION: MEMBRANE PENETRATING PEPTIDES AND USES THEREOF  
 ; FILE REFERENCE: HMR-053 PCT  
 ; CURRENT APPLICATION NUMBER: US/09/933,780C

CURRENT FILING DATE: 2001-08-21  
 PRIORITY APPLICATION NUMBER: US 60/227,647  
 PRIOR FILING DATE: 2000-08-25  
 PRIORITY APPLICATION NUMBER: GB 0103110.3  
 PRIOR FILING DATE: 2001-02-07  
 NUMBER OF SEQ ID NOS: 54  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 14  
 LENGTH: 5  
 TYPE: PRT  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Synthetic peptide

US-09-933-780C-14

Query Match 100.0%; Score 29; DB 10; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

RESULT 10  
 US-10-124-557-143  
 Sequence 143, Application US/101245557  
 Publication No. US2002137894A1  
 GENERAL INFORMATION:  
 APPLICANT: Turner, Katherine  
 Clark, Stephen C.  
 Jacobs, Kenneth  
 Hewick, Rodney M.  
 Generer, Thomas G.  
 TITLE OF INVENTION: Megakaryocyte Stimulating Factors  
 NUMBER OF SEQUENCES: 143  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Genetics Institute, Inc.  
 STREET: 87 Cambridgepark Drive  
 CITY: Cambridge  
 STATE: Massachusetts  
 COUNTRY: U.S.A.  
 ZIP: 02140

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US10/124,557  
 FILING DATE: 16-Apr-2002  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/643,502  
 FILING DATE: 18-JAN-1991  
 APPLICATION NUMBER: US 07/546,114  
 FILING DATE: 29-JUN-1990  
 APPLICATION NUMBER: US 07/457,196  
 FILING DATE: 29-DEC-1989  
 APPLICATION NUMBER: US 07/390,901  
 FILING DATE: 08-AUG-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Cserri, Luann  
 REGISTRATION NUMBER: 31,822  
 PRIORITY DOCKET NUMBER: GI 5190  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 876-1170  
 TELEFAX: (617) 876-3851  
 INFORMATION FOR SEQ ID NO: 143:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 5 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown

MOLECULE TYPE: protein  
 SEQ ID NO: 143  
 US-10-124-557-143

Query Match 100.0%; Score 29; DB 13; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

RESULT 11  
 US-10-137-351-14  
 Sequence 14, Application US/10137351  
 Publication No. US20030068806A1  
 GENERAL INFORMATION:  
 APPLICANT: Ayal-Hershkovitz, Maty  
 APPLICANT: Pecker, Iris  
 APPLICANT: Yacobi-Zeevi, Oron  
 TITLE OF INVENTION: GENETICALLY MODIFIED CELLS AND METHODS FOR EXPRESSING RECOMBINANT  
 FILE REFERENCE: 02/23665  
 CURRENT APPLICATION NUMBER: US/10/137,351  
 CURRENT FILING DATE: 2002-05-03  
 NUMBER OF SEQ ID NOS: 25  
 SOFTWARE: PatentIn version 3.1  
 SEQ ID NO: 14  
 LENGTH: 5  
 TYPE: PRT  
 ORGANISM: Artificial sequence  
 FEATURE:  
 OTHER INFORMATION: Enterokinase recognition and cleavage site

US-10-137-351-14

Query Match 100.0%; Score 29; DB 14; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DDDDK 5  
 Db 1 DDDDK 5

RESULT 12  
 US-10-119-235-4  
 Sequence 4, Application US/10119235  
 Publication No. US20030096760A1  
 GENERAL INFORMATION:  
 APPLICANT: Holt, Dennis A.  
 APPLICANT: Veider, Daniel F.  
 APPLICANT: Yamashita, Dennis S.  
 TITLE OF INVENTION: Method of Antagonizing the Human SRC SH2  
 FILE REFERENCE: P50630  
 CURRENT APPLICATION NUMBER: US/10/119,235  
 CURRENT FILING DATE: 2002-04-08  
 PRIOR APPLICATION NUMBER: 1998-09-02  
 PRIOR FILING DATE: 1998-09-02  
 PRIOR APPLICATION NUMBER: 60/040,658  
 PRIOR FILING DATE: 1997-03-10  
 NUMBER OF SEQ ID NOS: 10  
 SOFTWARE: FastSEQ for Windows Version 3.0  
 SEQ ID NO: 4  
 LENGTH: 5  
 TYPE: PRT  
 ORGANISM: homo sapien

US-10-119-235-4

Query Match 100.0%; Score 29; DB 14; Length 5;  
 Best Local Similarity 100.0%; Pred. No. 1.2e+06;  
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 DDDDK 5      Db      -1 DDDDK 5      Matches      5;  Conservative      0;  Mismatches      0;  Indels      0;  Gaps      0;

RESULT 13
US-10-158-742A-17
; Sequence 17, Application US/10158742A
; GENERAL INFORMATION: US20030104581A1
; APPLICANT: Hoess, Eva
; APPLICANT: Meier, Thomas
; APPLICANT: Pestlin, Gabriele
; APPLICANT: Popo, Friedrich
; APPLICANT: Reichert, Klaus
; APPLICANT: Schmuck, Rainer
; APPLICANT: Schneider, Bernd
; APPLICANT: Seidel, Christoph
; APPLICANT: Tischer, Wilhelm
; TITLE OF INVENTION: PROCESS FOR MAKING ANTIFUSOGENIC FUSION PEPTIDES THAT FORM
; FILE REFERENCE: 2094
; CURRENT APPLICATION NUMBER: US/10/158,742A
; PRIORITY APPLICATION NUMBER: EP 01114497.9
; PRIORITY FILING DATE: 2001-06-15
; PRIORITY FILING DATE: 2001-06-15
; SOFTWARE: Fasta
; SEQ ID NO 17
; LENGTH: 5
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: Description of Artificial Sequence:cleavage
; OTHER INFORMATION: Sequence
US-10-158-742A-17.

Query Match      100.0%:  Score 29;  DB 14;  Length 5;
Best Local Similarity 100.0%:  Pred. No. 1.2e+06;  Mismatches 0;  Indels 0;  Gaps 0;
Matches 5;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      1 DDDDK 5      Matches      5;  Conservative      0;  Mismatches      0;  Indels      0;  Gaps      0;
Db      1 DDDDK 5      Qy      -1 DDDDK 5      Matches      5;  Conservative      0;  Mismatches      0;  Indels      0;  Gaps      0;
Db      1 DDDDK 5      Db      -1 DDDDK 5      Matches      5;  Conservative      0;  Mismatches      0;  Indels      0;  Gaps      0;

Search completed: February 24, 2005, 07:50:07
Job time : 81.5 sec8

RESULT 14
US-10-274-638-7
; Sequence 7, Application US/10274638
; Publication No. US20030105000A1
; GENERAL INFORMATION:
; APPLICANT: Moore, Margaret D.
; APPLICANT: Fox, Brian A.
; TITLE OF INVENTION: DIMERIZED GROWTH FACTOR AND MATERIALS
; FILE REFERENCE: 01-10
; CURRENT APPLICATION NUMBER: US/10/274,638
; CURRENT FILING DATE: 2002-10-18
; PRIORITY APPLICATION NUMBER: 60/346,117
; PRIORITY FILING DATE: 2001-10-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastaSEQ for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 5
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE: OTHER INFORMATION: polypeptide, enterokinase cleavage site
US-10-274-638-7

Query Match      100.0%:  Score 29;  DB 14;  Length 5;
Best Local Similarity 100.0%:  Pred. No. 1.2e+06;

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